

ABSTRACT

The invention relates to a monitoring unit (5) for monitoring a first control value (I_{nom}) for overshooting or undershooting of a threshold value (I_{max}), with the first control value (I_{nom}) being used for controlling an apparatus (3). The monitoring unit (5) in this case has determination means (10, 20, 30, 40, 45) for determining the threshold value (I_{max}) from an instantaneous value (I_s) of the first control value (I_{nom}) when the apparatus (3) reaches a predetermined operating state, and monitoring means (50, 60) for monitoring the first control value (I_{nom}) for overshooting or undershooting of the determined threshold value (I_{max}) after the apparatus (3) has reached the predetermined operating state.